

***LineUp With Math™* Alignment**
Mathematics Grade-Level Expectations

Number and Number Relations

Grade-Level Expectations

7. Use proportional reasoning to model and solve real-life problems involving direct and inverse variation (N-6-H)

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

Measurement

Grade-Level Expectations

21. Determine appropriate units and scales to use when solving measurement problems (M-2-H) (M-3-H) (M-1-H)

***LineUp With Math™* Activities**

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

Patterns, Relations, and Functions

Grade-Level Expectations

37. Analyze real-life relationships that can be modeled by linear functions (P-1-H) (P-5-H)

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

39. Compare and contrast linear functions algebraically in terms of their rates of change and intercepts (P-4-H)

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.